1	O:			PCT			
	see form PCT/ISA/220		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORIT (PCT Rule 43 <i>bis</i> .1)				
			Date of mailing	ee form PCT/ISA/210 (second sheet)			
Ar Se	oplicant's or agent's file reference see form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below				
P	ernational application No. CT/EP2004/011300	International filing date (d 08.10.2004		Priority date (day/month/year) 09.10.2003			
At	International Patent Classification (IPC) or both national classification and IPC A61K35/78, A61K31/353, A61P17/00, A61P17/02, A61P35/00						
	Applicant MEDIGENE AG						
2.	Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VIII Certain defects in the international application Box No. VIII Certain observations on the international application FURTHER ACTION If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220.						
3.	For further details, see notes to For	m PCT/ISA/220.	•				
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Name and mailing address of the ISA:



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465 Authorized Officer

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/011300

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	Box N	o. I Basis of the opinion				
1.	With re	egard to the language , this opinion has been established on the basis of the international application in guage in which it was filed, unless otherwise indicated under this item.				
	laı	his opinion has been established on the basis of a translation from the original language into the following nguage , which is the language of a translation furnished for the purposes of international search nder Rules 12.3 and 23.1(b)).				
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
	a. type of material:					
		a sequence listing				
		table(s) related to the sequence listing				
	b. form	nat of material:				
		in written format				
		in computer readable form				
	c. time	of filing/furnishing:				
		contained in the international application as filed.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority for the purposes of search.				
3.	ha cc	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional spies is identical to that in the application as filed or does not go beyond the application as filed, as opropriate, were furnished.				
4	Δdditic	anal comments.				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

AU1 2/4466

International application No. PCT/EP2004/011300

IAP20 Rec'd PCT/PTO 04 APR 2006

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

30-34

No: Claims

No:

1-29,35

Inventive step (IS)

Yes: Claims

Claims

1-35

Industrial applicability (IA)

Yes: Claims

1-35

No: Claims

2. Citations and explanations

see separate sheet

Box No. VI Certain documents cited

1. Certain published documents (Rules 43bis.1 and 70.10)

and /or

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Section V

- 1. Reference is made to the following documents:
 - D1: WO 2004/026323 A (BARROS, SILVIA, BERLANGA, DE, MORAES; FUNDAÇÃO DE AMPARO A PESQUISA DO) 1 April 2004 (2004-04-01)
 - D2: ZHU A ET AL: "Study of tea polyphenol as a reversal agent for carcinoma cell lines' multidrug resistance (study of TP as a MDR reversal agent)" NUCLEAR MEDICINE AND BIOLOGY, ELSEVIER SCIENCE PUBLISHERS, NEW YORK, NY, US, vol. 28, no. 6, August 2001 (2001-08), pages 735-740, XP004301003 ISSN: 0969-8051
 - D3: WO 2004/053097 A (MEDICAL COLLEGE OF GEORGIA RESEARCH INSTITUTE, INC; HSU, STEPHEN; SCHU) 24 June 2004 (2004-06-24)
 - D4: PRONIUK S ET AL: "Preformulation study of epigallocatechin gallate, a promising antioxidant for topical skin cancer prevention" JOURNAL OF PHARMACEUTICAL SCIENCES, AMERICAN PHARMACEUTICAL ASSOCIATION. WASHINGTON, US, vol. 91, no. 1, January 2002 (2002-01), pages 111-116, XP002270297 ISSN: 0022-3549
 - D5: MUKHTAR H ET AL: "GREEN TEA POLYPHENOLS INDUCE APOPTOSIS AND ALTER THE PROGRESSION OFCELL CYCLE IN HUMAN EPIDERMOID CARCINOMA CELLS A431" PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH AND AMERICAN SOCIETY OF CLINICAL ONCOLOGY, XX, XX, vol. 38, March 1997 (1997-03), page 580, XP000997348
 - D6: LINDEN K ET AL: "Chemoprevention of non-melanoma skin cancer: Experience with a polyphenol from green tea" EUROPEAN JOURNAL OF CANCER, PERGAMON PRESS, OXFORD, GB, vol. 38, February 2002 (2002-02), page S24, XP004367780 ISSN: 0959-8049
 - D7: WO 01/51048 A (COLOR ACCESS, INC) 19 July 2001 (2001-07-19)
 - D8: MCCARTY M F: "POLYPHENOL-MEDIATED INHIBITION OF AP-1 TRANSACTIVATING ACTIVITY MAYSLOW CANCER GROWTH BY IMPEDING ANGIOGENESIS AND TUMOR INVASIVENESS" MEDICAL HYPOTHESES, EDEN PRESS, PENRITH, US, vol. 50, June 1998 (1998-06), pages 511-514, XP000957651 ISSN: 0306-9877
 - D9: CAO Y ET AL: "ANGIOGENESIS INHIBITED BY DRINKING TEA" NATURE,

MACMILLAN JOURNALS LTD. LONDON, GB, vol. 398, 1 April 1999 (1999-04-01), page 381, XP000953295 ISSN: 0028-0836

D10:

US 2003/166583 A1 (YOA-PU HU OLIVER ET AL) 4 September 2003 (2003-09-04)

- 2. It is already known from the prior art that polyphenols isolated from e.g. green tea, especially derivatives of catechin (or catechol) can be used in the treatment and prevention of different skin disorders, especially skin cancer (cf. D2 and D4 to D10; parts indicated in the search report). The subject-matter of present claims 1 to 29 and 35 therefore lacks the necessary novelty over the prior art and the requirements of Article 33 (2) PCT have not been fulfilled.
- 3. Since the effect of polyphenols isolated from green tea on cancerous cells is known, it cannot be considered inventive to combine it with other already known agents used for the same indication, especially since no surprising of unexpected effect has been shown. The requirements of Article 33 (3) EPC have therefore not been fulfilled for claims 1-35.

Section VI

Certain documents cited

Certain published documents

Application No Patent No	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO2004/026323	01/04/04	17/09/03	18/09/02
WO2004/053097	24/06/04	10/12/03	10/12/02

Section VIII

Certain observations on the international application

The subject-matter of claims 21-26 disclose certain amounts of polyphenols. It is unclear whether these amounts are relative to the complete compositions or relative

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the other active ingredients.